

Converting Colors

XYZ(40.3587, 24.4960, 12.5181)

Have a look what the booklet for
XYZ(40.3587, 24.4960, 12.5181)
contains.

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Color

**XYZ(40.4774, 24.5884,
12.5102)**

Conversions

Conversions Part 1

Format	Color
Hex	F04D5B
RGB	240, 77, 91
RGB Percent	94%, 30%, 36%
CMY	0.0588, 0.6980, 0.6431
CMYK	0.00, 0.68, 0.62, 0.06
HSL	355°, 84%, 62%
HSV	355°, 68%, 94%
XYZ	40.4774, 24.5884, 12.5102
YIQ	127.3330, 92.6540, 38.9100

Conversions

Conversions Part 2

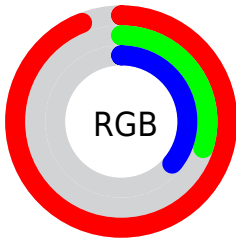
Format	Color
R_{YB}	240, 77, 91
Decimal	15748443
CIE _{Lab}	56.67, 62.94, 28.07
CIE _{LCh}	57, 68.912, 24.035
Yxy	24.5884, 0.5218, 0.3170
Android (android.graphics.Color)	4293938523 (0xFFFF04D5B)
YUV	127.3330, -17.9122, 98.8090
Hunter-Lab	49.5867, 58.9321, 19.7524

Details

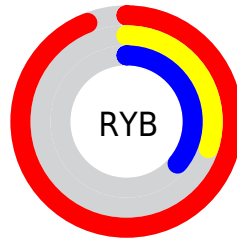
The XYZ color **40.4774, 24.5884, 12.5102** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed red. A complement of this color would be **47.9502, 69.3896, 82.8248**, and the grayscale version is **20.3262, 21.3847, 23.2879**.

A 20% lighter version of the original color is **54.7117, 40.5110, 30.1351**, and **18.6051, 9.5366, 3.3428** is the 20% darker color. If you saturate the color by 10%, you get **38.2846, 21.5028, 7.7728**, and if you desaturate by 10%, it is **43.5670, 29.0256, 18.9116**.

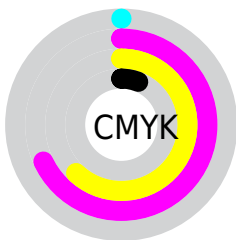
Distribution



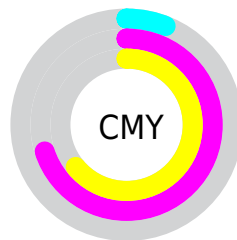
- Red (94%)
- Green (30%)
- Blue (36%)



- Red (94%)
- Yellow (30%)
- Blue (36%)



- Cyan (0%)
- Magenta (68%)
- Yellow (62%)
- Black (6%)




- Cyan (6%)
- Magenta (70%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4774, 24.5884, 12.5102 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 40.4774, 24.5884, 12.5102 by changing the saturation by 10% instead.


 40.4774, 24.5884,
12.5102


 40.4774, 24.5884,
12.5102

339.2317,
275.7819, 218.8507


 28.0968, 15.7707,
6.9654


 75.1697, 50.9887,
31.0992


 18.5395, 9.3620,
3.3624


 98.2121, 69.3401,
44.9804


 11.4400, 4.9781,
1.2825


 125.5391, 91.6381,
62.4776

 6.4331, 2.2344,
0.0474

 157.5162,
118.2671, 84.0092

 3.1533, 0.7386,
0.0000

 194.5086,
149.6117, 109.9937

 1.2354, 0.0000,
0.0000

236.8818,

 0.1340, 0.0000,

186.0560, 140.8498

0.0000

285.0010,
227.9846, 176.9960

■ 0.0000, 0.0000,
0.0000

■ 40.4774, 24.5884,
12.5102

■ 40.4774, 24.5884,
12.5102

■ 38.2846, 21.5028,
7.7728

■ 43.5670, 29.0256,
18.9116

■ 36.8901, 19.6106,
4.5430

■ 47.6348, 34.9411,
27.1113


■ 36.1668, 18.7049,
2.6342


■ 52.7546, 42.4517,
37.2316

■ 36.0666, 18.5778,
2.3751

■ 58.9931, 51.6615,
49.3834

■ 66.4111, 62.6656,
63.6693

 75.0651, 75.5521,
80.1849

 85.0081, 90.4034,
99.0201

 89.7450, 97.2652,
108.6517

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.3127, 24.5884, 31.6307



40.4774, 24.5884, 12.5102



33.6499, 24.5884, 4.5732

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.4774, 24.5884, 12.5102



12.9775, 24.5884, 8.3071



21.8040, 24.5884, 99.1222

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.4774, 24.5884, 12.5102



47.9502, 69.3896, 82.8248

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.4320, 24.5884, 80.8029



40.4774, 24.5884, 12.5102



11.1416, 24.5884, 22.4393

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.4774, 24.5884, 12.5102



17.6344, 24.5884, 3.3005



11.9244, 24.5884, 49.0955



30.2324, 24.5884, 90.7745

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.4774, 24.5884, 12.5102



27.8749, 24.5884, 2.8014



11.9244, 24.5884, 49.0955



19.3796, 24.5884, 95.6581

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.4780, 24.5898, 12.5106



74.2645, 69.0184, 69.3260



49.0305, 27.4000, 85.1421



15.3699, 13.9924, 13.8275



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.4780, 24.5898, 12.5106



43.3041, 23.8064, 7.4946



46.9787, 38.4686, 11.9724



15.8279, 15.7809, 16.6498



19.7632, 10.1777, 1.4037



1.6629, 0.8542, 0.2155

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.4780, 24.5898, 12.5106



43.3041, 23.8064, 7.4946



34.0814, 38.4532, 88.0635



15.8279, 15.7809, 16.6498



19.7632, 10.1777, 1.4037



1.6629, 0.8542, 0.2155

Previews

White Background



This preview shows how the XYZ color 40.4774, 24.5884, 12.5102 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.4774, 24.5884, 12.5102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4774, 24.5884, 12.5102

Background



This preview shows how black text looks on a background with the XYZ color 40.4774, 24.5884, 12.5102.



This preview shows how white text looks on a background with the XYZ color 40.4774, 24.5884,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.4774, 24.5884, 12.5102

Protanopia

23.2842, 24.7089, 20.0651

Deuteranopia

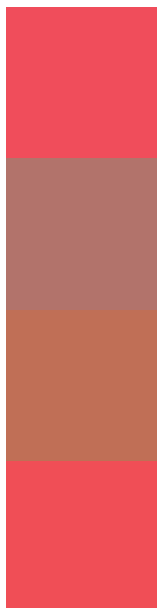
25.0610, 24.5891, 11.6089



Tritanopia

40.2209, 24.5986, 10.8117

Trichromacy



Original Color

40.4774, 24.5884, 12.5102

Protanomaly

27.1447, 22.7880, 16.8778

Deuteranomaly

29.1024, 23.2472, 11.7574

Tritanomaly

40.3393, 24.6459, 11.4351

Monochromacy



Original Color

40.4774, 24.5884, 12.5102

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

24.6544, 20.4770, 18.5726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4774, 24.5884, 12.5102 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(240, 77, 91)` looks like.

```
.text, #text, p{  
    color:rgb(240, 77, 91)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(240, 77, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 77, 91) }
```

Border

The CSS property to change the border of an element to XYZ 40.4774, 24.5884, 12.5102 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(240, 77, 91) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(240, 77, 91) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(240, 77, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 77, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 77, 91);  
box-shadow:4px 4px 4px 4px rgb(240, 77,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4774, 24.5884, 12.5102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 77, 91) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(240, 77,  
91) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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